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AOLFR01.pr	KT	*	20	*	40	*	60	*	80	*	100	
AOLFR02.pr												46
AOLFR03.pr												35
AOLFR04.pr												34
AOLFR05.pr												31
AOLFR06.pr												33
AOLFR07.pr												35
AOLFR08.pr												70
AOLFR09.pr												33
AOLFR10.pr												33
AOLFR11.pr												33
AOLFR12.pr												33
AOLFR13.pr												83
AOLFR14.pr												33
AOLFR15.pr												33
AOLFR16.pr												33
AOLFR17.pr												32
AOLFR18.pr												33
AOLFR19.pr												33
AOLFR20.pr												33
AOLFR21.pr												33
AOLFR22.pr												31
AOLFR23.pr												31
AOLFR24.pr												33
AOLFR25.pr												33
AOLFR26.pr												33
AOLFR27.pr												32
AOLFR28.pr												34
AOLFR29.pr												35
AOLFR30.pr												50
AOLFR31.pr												33
AOLFR32.pr												36
AOLFR33.pr												54
AOLFR34.pr												33
AOLFR35.pr												1
AOLFR36.pr												34
AOLFR37.pr												1
AOLFR38.pr												33
AOLFR39.pr												33
AOLFR40.pr												31
AOLFR41.pr												33
AOLFR42.pr												33
AOLFR43.pr												46
AOLFR44.pr												32
AOLFR45.pr												35
AOLFR46.pr												107
AOLFR47.pr												35
AOLFR48.pr												36
AOLFR49.pr												35
AOLFR50.pr												51
AOLFR51.pr												63
AOLFR52.pr												37

Figure 1

240 260 300 320
AOLFR01.pr : FGLITVVISWFLSNIIAL-THLLLLQLFC ---NHN-TPEHFC ---DIAPITSSGSD-TLINELVF-F-IVGSLVIFPFTLSFF-SVVCITIRAVIRVSS : 243
AOLFR02.pr : LCAILVAGSYLWGMFGPL-ELTCSALKRINFS ---GPN-VINHEFC ---EYALHSSGSD-ILIPHLIF-F-SFATNEMCTLLIIT-SVVFHFTVTKIRS : 232
AOLFR03.pr : LCVLIVAGSYLWGMFGPL-ELTCSALKRINFS ---GPN-VINHEFC ---EYALHSSGSD-ILIPHLIF-F-SFATNEMCTLLIIT-SVVFHFTVTKIRS : 231
AOLFR04.pr : VCCLVGGAWGGMHAM-IQLFMVQIPFC ---GPN-IIDHFC ---DFQLITACSD-THIIGLLT-LSNGMCAIFLIIA-SVAFVVTIKIRS : 227
AOLFR05.pr : VRVEPASCCYFCGTCVSL-IHLCLAIRPEY ---RSN-VINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR06.pr : LCAILVAGSYLWGMFGPL-ELTCSALKRINFS ---GPN-VINHEFC ---EYALHSSGSD-ILIPHLIF-F-SFATNEMCTLLIIT-SVVFHFTVTKIRS : 232
AOLFR07.pr : HCLILVAGSYLWGMFGPL-ELTCSALKRINFS ---GPN-VINHEFC ---EYALHSSGSD-ILIPHLIF-F-SFATNEMCTLLIIT-SVVFHFTVTKIRS : 230
AOLFR08.pr : VCSILVAGSYLWGMFGPL-ELTCSALKRINFS ---GPN-VINHEFC ---EYALHSSGSD-ILIPHLIF-F-SFATNEMCTLLIIT-SVVFHFTVTKIRS : 230
AOLFR09.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR10.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR11.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR12.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR13.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR14.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR15.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR16.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR17.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR18.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR19.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR20.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR21.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR22.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR23.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR24.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR25.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR26.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR27.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR28.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR29.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR30.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR31.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR32.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR33.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR34.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR35.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR36.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR37.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR38.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR39.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR40.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR41.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR42.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR43.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR44.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR45.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR46.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR47.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR48.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR49.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR50.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR51.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230
AOLFR52.pr : VCSMLTFAAYIMGLAGAT-AHTGCMRIFTC ---SAN-IINHEFC ---DIPVIVASCD-ITVNETLF-F-LVATINESVTIMILT-SVLLITTTATGS : 230

Figure 1

AOLFR01.pr	TOGRKA-FSTCGSHLTAI	LFYGTI--VGYFPSSST	HPEDTDKIGALFVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	325
AOLFR02.pr	VSGRKA-FSTWASHLTAI	TIFHGTIL--FLYCVPNKNSR	Q-TVKVASVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	314
AOLFR03.pr	VSGRKA-FSTWASHLTAI	TIFHGTIL--FLYCVPNKNSR	Q-TVKVASVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	313
AOLFR04.pr	SKGRKA-LSTCGSHLTAI	VLFPV--CIFLYRPPVTHPI	DKAVASDSIITPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	309
AOLFR05.pr	AEGRKA-FSTCASHLTAI	TIFHGTIL--SIYCRPSSNGS	D-ADKATVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	311
AOLFR06.pr	ASGRKA-FSTCASHLTAI	TIFHGTIL--FLYCVPNKTS	L-IVTVASVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	314
AOLFR07.pr	AAGKKA-FSTCGSHLTAI	ALFYGSI--IYVFRPLSM	YSVVRDRAVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	347
AOLFR08.pr	TEGSKA-FSTCGSHLTAI	GIFGSI--FYKPPSSSTM	E-KEKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	311
AOLFR09.pr	TEGSKA-FSTCGSHLTAI	SLFSGAA--FYIK--YSSGM	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	313
AOLFR10.pr	TEGSKA-FSTCGSHLTAI	SLFSGAA--FYIK--YSSGM	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	313
AOLFR11.pr	AEGRKA-FSTCGSHLTAI	ALFYGSI--IYVFRPLSM	YSVVRDRAVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	309
AOLFR12.pr	AAGKKA-FSTCGSHLTAI	ALFYGSI--IYVFRPLSM	YSVVRDRAVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	360
AOLFR13.pr	ATGRKA-FSTCGSHLTAI	SLFYGTA--IYAYLP	GNNYSQDQKXISLFIITPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	312
AOLFR14.pr	VEGSKA-FSTCGSHLTAI	AMVGTI--FYLYRPPSSVAL	DTD-KDASVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	341
AOLFR15.pr	TEGSKA-FSTCGSHLTAI	SLFYGTA--IYAYLP	GNNYSQDQKXISLFIITPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	309
AOLFR16.pr	TEGSKA-FSTCGSHLTAI	TIFVATLF--FYLYRPPSSVAL	YS-LKDAVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	311
AOLFR17.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	307
AOLFR18.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	305
AOLFR19.pr	AAGKKA-FSTCGSHLTAI	ALFYGSI--IYVFRPLSM	YSVVRDRAVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	311
AOLFR20.pr	KEGRKA-FSTCGSHLTAI	SLFYGSI--IYVFRPLSM	YSVVRDRAVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	316
AOLFR21.pr	QGRKA-FSTCGSHLTAI	VEFPV--CIFLYRPPSSVAL	DKMIVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	299
AOLFR22.pr	QGRKA-FSTCGSHLTAI	VEFPV--CIFLYRPPSSVAL	DKMIVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	315
AOLFR23.pr	SGRKA-FSTCGSHLTAI	ALFYGSI--IYVFRPLSM	YSVVRDRAVTVTPMNPFFYISLRNKKMGALRKLNKRKISSL	420	*	314
AOLFR24.pr	GEGRKA-FSTCGSHLTAI	SLFYGTA--IYAYLP	GNNYSQDQKXISLFIITPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	307
AOLFR25.pr	TEGSKA-FSTCGSHLTAI	SLFYGTA--IYAYLP	GNNYSQDQKXISLFIITPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	310
AOLFR26.pr	TEGSKA-FSTCGSHLTAI	SLFYGTA--IYAYLP	GNNYSQDQKXISLFIITPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	316
AOLFR27.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	310
AOLFR28.pr	ADGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	318
AOLFR29.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	326
AOLFR30.pr	TEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	311
AOLFR31.pr	TKGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	322
AOLFR32.pr	TEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	332
AOLFR33.pr	ADGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	312
AOLFR34.pr	ADGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	294
AOLFR35.pr	SDGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	319
AOLFR36.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	294
AOLFR37.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	314
AOLFR38.pr	SDGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	311
AOLFR39.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	322
AOLFR40.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	312
AOLFR41.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	311
AOLFR42.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	323
AOLFR43.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	318
AOLFR44.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	324
AOLFR45.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	320
AOLFR46.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	314
AOLFR47.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	384
AOLFR48.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	314
AOLFR49.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	317
AOLFR50.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	319
AOLFR51.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	350
AOLFR52.pr	AEGRKA-FSTCGSHLTAI	LIIFYGTI--FYLYRPPSSVAL	E-QGKSSVYFVAVPMLNPPFYISLRNKKMGALRKLNKRKISSL	420	*	324

Figure 1

440

AOLFR01.pr : ----- :
AOLFR02.pr : ----- :
AOLFR03.pr : ----- :
AOLFR04.pr : ----- :
AOLFR05.pr : ----- :
AOLFR06.pr : ----- :
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AOLFR10.pr : ----- :
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AOLFR31.pr : ----- :
AOLFR32.pr : ----- :
AOLFR33.pr : ----- :
AOLFR34.pr : ----- :
AOLFR35.pr : ----- :
AOLFR36.pr : HSIPTSANPAP : 305
AOLFR37.pr : ----- :
AOLFR38.pr : EKGQPH----- : 300
AOLFR39.pr : ----- :
AOLFR40.pr : ----- :
AOLFR41.pr : ----- :
AOLFR42.pr : ----- :
AOLFR43.pr : ----- :
AOLFR44.pr : ----- :
AOLFR45.pr : ----- :
AOLFR46.pr : ----- :
AOLFR47.pr : ----- :
AOLFR48.pr : ----- :
AOLFR49.pr : ----- :
AOLFR50.pr : ----- :
AOLFR51.pr : ----- :
AOLFR52.pr : ----- :

Figure 1

Fig 2

Figure 2
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AOLFR54.pr : M-----SDSNLSNDHL---PDTFTTIGPGL-EAAHFWIAIPFCAMVAVFENAAHIL : 100
AOLFR57.pr : M-----EKSNNSTFIIIGFSQNNK-IEVLCFVFLFCFCAIWMGNLIMI : 50
AOLFR58.pr : M-----QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 59
AOLFR59.pr : M-----GDMN---NSDAVEPIEIGFPGGL-EYVHSWL-SILFCCLAUVAFGNVTLS : 49
AOLFR60.pr : M-----FLPNDTQFHPSSFLIGIPGL-ETLHIWIGFPCFCAVMIAGNFTLIL : 49
AOLFR61.pr : M-----SIIN---TSVEIITTFEIMPGGL-EYAHIMI-SIPICSMVLIAGNFTIF : 49
AOLFR62.pr : M-----FVHKSIFHPVTFTLIGIPGL-EDFHMISGPFCSVLIAGNFTIL : 49
AOLFR63.pr : M-----SIIN---TSVEIITTFEIMPGGL-EYAHIMI-SIPICSMVLIAGNFTIF : 49
AOLFR64.pr : M-----TILL---NSSLQRTFETFGQGL-EGHGWISIPFCHVTLVIGNFTIL : 49
AOLFR65.pr : M-----AGRMSTSNHTQFHPSSFLIGIPGL-EDVHIWIGVFFVYVLIAGNFTIL : 53
AOLFR66.pr : M-----S---FLNGTSLTPASEIIGIPGL-EDVHIMI-SPLCTMVSIAIGNFTIM : 49
AOLFR67.pr : M-----S---GDNSSLSLTGPFILNCGVGL-EATHIMI-SUPFCFVITAVGNCNIC : 49
AOLFR68.pr : M-----TTHR---NDTISTEASDELNCFVRS-PSWOHML-SUPLSLFELLAAGNFTIM : 51
AOLFR69.pr : M-----SYSI-YKSTVNIPL---SHGVVHSF-CHNMNCFMHI---FKFVLDFNMK---NUTEVTLEVLIGFTDNLE-LQIFFFFLAHLFTVGNLIL : 86
AOLFR70.pr : M-----DSTFTGYNL-VNLQVKTENM-----DKLSSG-LDI---YRNPL---K---NKTEVTMEIIGFTDDPE-LQVFFELFFALILFTIGNGLIV : 77
AOLFR71.pr : M-----GR---R---NNTNVNDEIIGLSDSEE-VOMALFILFLVLIAGNFTIL : 47
AOLFR72.pr : M-----AP---E---NFTRTVTEIIGFVSSQPE-LQIPFIVFLVLYGHTVAGNGLIT : 47
AOLFR74.pr : M-----EQ---H---NLATVNEEIIIGFTIDIAE-LQAPFALFLMIVISVGNLGMIV : 47
AOLFR75.pr : M-----E---KNQTNISEIIGFSSWQO-QOVLFAFLFLOMLTGFENLIL : 47
AOLFR76.pr : M-----GD---SPDGNHSDPTFVILCLPNLS-ARVETFSVLIAGNFTIL : 47
AOLFR77.pr : M-----TPG---SGNHTPTVKIIGFQSNYPD-LQELFGAILLIATVGNLGMIA : 54
AOLFR78.pr : M-----EG---NKTAKM---QFFEPSPDPE-VOMLIFVFLMVLTSVGNFTIV : 47
AOLFR80.pr : M-----K---SNQTLNTEIIGFQSEHPE-YRVFIFSCFLFYSAGFTIGNVHTL : 65
AOLFR82.pr : M-----OLNNVTEIIGLTDQPF-WKKIVFIFLRMLGNFTIL : 45
AOLFR83.pr : M-----GNWTAATVTEIIGFCSURE-VELLVLVLLPTELTIGNLITIS : 46
AOLFR85.pr : M-----OLVL---LL-MFL---GAKNNVTEIIGFLESRE-MOHTCFVFFLPHVLIAGNFTIV : 45
AOLFR86.pr : M-----OLVL---LL-MFL---AP-A-FSVTLE-SM---DIPONITEIIGLQNSK-VORVIFVFLIYVTVGNMLIV : 72
AOLFR87.pr : M-----ANNIAQLSLGIDLGIPSVLQKIILTKIILLFKMYS-NCNPCAIRKIN-YPNTKL-DP---EQVNNITEIIGLQNAE-AQKILFAVFTILYFLTVNDLHIV : 101
AOLFR88.pr : M-----LD---WOKNOTSLADFIIGLDDSL-THLFTFSLTMVVELIAGNFTIL : 47
AOLFR89.pr : M-----LD---PSISHTLYLH-SLPPOGLRKGTMQKQTSLADFIIGLDDSL-THLFTFSLTMVVELIAGNFTIL : 72
AOLFR90.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR91.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR92.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR93.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR94.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR95.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR96.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR97.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR98.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR99.pr : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR101.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR102.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR103.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR105.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR106.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR107.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR108.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99
AOLFR109.p : M-----MFSMTTEALNPFALGCTNLL-MTWIPIQIDLKQIFLCPNCLRYMIPVG-A-FISLIG-NM---QNSQSTFVVLICLSONPN-VORIVFVFLFVFIATIGENMLIV : 99

Figure 2

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AOLFR54.pr : VHAMDNA-HHAPMVEFLCISLTDPAALS-140 * 160 * 180 * 200 *
AOLFR57.pr : STCTQ-LHQPMVEFLNYSLSDCYTSVIT--EPMVDLLAERK-TISEGGMQLAOMF-CVHSIYALBESSILAMADRVVAICNPLRTTTHNHAIVGRGFVGLF : 153
AOLFR58.pr : TILSSPALLVSPMVEFLGFSFLDACFSSVIT--EPMVDVLSYVTK-TISEGGMQLAOMF-EHPFAGBIVILITAMAYDRVAICNPLRTTTHNHAIVGRGFVGLF : 162
AOLFR59.pr : VIWIESS-LHQPMVHISILAVNDGMS--LSTIEPMALVMDLAP-EIQASACVAQLF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 203
AOLFR60.pr : VIKTSS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR61.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR62.pr : VIKVEOT-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR63.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR64.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR65.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR66.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR67.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR68.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR69.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR70.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR71.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR72.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR73.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR74.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR75.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR76.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR77.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR78.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR79.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR80.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR81.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR82.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR83.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR84.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR85.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR86.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR87.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR88.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR89.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR90.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR91.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR92.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR93.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR94.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR95.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR96.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR97.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR98.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR99.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR100.pr : IIKTEPS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR101.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR102.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR103.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR104.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR105.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR106.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR107.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR108.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152
AOLFR109.p : VILDRS-LHQPMVEFLAMAMSDIGLS--LSSIPVIVISFLFNAP-GHIEACACQAF-FIHITTFLESVILAMAFDRVAICNPLRTTTHNHAIVGRGFVGLF : 152

Figure 2
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220 240 260 280 300 320
AOLFR54.pr : RSVATVSPFFLLRLRPPYCGHRV - NTHYCEHMGHARJAGANITVNI - VYGLTVALLAMGLDLSII - AISGFFI - HANFHP - SHDAQHKA - LSTCSHSH - GILVTP - IPA : 258
AOLFR57.pr : GGFHSASQFLLTIPFPCPNR - IDHYEDVYPKQAKAGNIIHM - IGLVIVANSGLIADIVFVVL - LSVNFI - YTHR - AYSAERRSKALATCSHSH - LVVIFR - APA : 266
AOLFR58.pr : GGLHSMIQILFTFQPCPNV - INHFQDLYPMHETACTDTHI - FGLMVIVANSGLIADIVFVVL - LSVNFI - YTHR - AYSAERRSKALATCSHSH - LVVIFR - APA : 266
AOLFR59.pr : RSLGVVLPPLLLRHVYCHGNA - LSHAEQHQDVRLRST - EARTNS - IYGLCVVIATIGVDSIF - LSVNFI - YTHR - AYSAERRSKALATCSHSH - LVVIFR - APA : 257
AOLFR60.pr : RALFVIPSILLILRPPFCGNV - IPHTCEHMGHARJAGANITVNI - VYGLTVALLAMGLDLSII - AISGFFI - HANFHP - SHDAQHKA - LSTCSHSH - GILVTP - IPA : 257
AOLFR61.pr : KSMILLVPPFTLRIRYCKKNQ - LSHAEQHQDVRLRST - EARTNS - IYGLCVVIATIGVDSIF - LSVNFI - YTHR - AYSAERRSKALATCSHSH - LVVIFR - APA : 256
AOLFR62.pr : RPVLTLPMVYLIYRPPCAHI - IASCEHMGHARJAGANITVNI - VYGLTVALLAMGLDLSII - AISGFFI - HANFHP - SHDAQHKA - LSTCSHSH - GILVTP - IPA : 256
AOLFR63.pr : KSMILLVPPFTLRIRYCKKNQ - LSHAEQHQDVRLRST - EARTNS - IYGLCVVIATIGVDSIF - LSVNFI - YTHR - AYSAERRSKALATCSHSH - LVVIFR - APA : 256
AOLFR64.pr : RSMALLVPLPFLKREFQCHSHV - LAHAEQHQDVRLRST - EARTNS - IYGLCVVIATIGVDSIF - LSVNFI - YTHR - AYSAERRSKALATCSHSH - LVVIFR - APA : 257
AOLFR65.pr : RSLYVWVPLVLLRPPFCGNV - IPHTCEHMGHARJAGANITVNI - VYGLTVALLAMGLDLSII - AISGFFI - HANFHP - SHDAQHKA - LSTCSHSH - GILVTP - IPA : 257
AOLFR66.pr : RGVMLVPLPFTLRIRYCKKNQ - LSHAEQHQDVRLRST - EARTNS - IYGLCVVIATIGVDSIF - LSVNFI - YTHR - AYSAERRSKALATCSHSH - LVVIFR - APA : 260
AOLFR67.pr : RNVMLIIPPTLLTKRPPFCGNV - IPHTCEHMGHARJAGANITVNI - VYGLTVALLAMGLDLSII - AISGFFI - HANFHP - SHDAQHKA - LSTCSHSH - GILVTP - IPA : 257
AOLFR68.pr : RNVMLTLPILSAQIRYCGNF - IENICADHMSVAGSGCNFVNA - IYGLVALLIGGDFIICIT - ISVTMII - QAVVLS - SADARQAFSTCTAFACAL - IVTP - APA : 257
AOLFR69.pr : AGILHATHTVATFSLSECGANE - IRRVEODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR70.pr : AGILHATHTVATFSLSECGANE - IRRVEODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR71.pr : ISFINSFVNVVMSRIRHCDENV - VRHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR72.pr : YGFSTAIUVSSVYFSSVSSSNI - INERFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR73.pr : YCTFISLVTIKITFTISFCGYNV - ISHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR74.pr : IAILNPLHLLTMAHHRFCSDNV - IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR75.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR76.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR77.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR78.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR79.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR80.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR81.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR82.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR83.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR84.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR85.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR86.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR87.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR88.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR89.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR90.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR91.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR92.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR93.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR94.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR95.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR96.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR97.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR98.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR99.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR100.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR101.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR102.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR103.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR104.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR105.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR106.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR107.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR108.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294
AOLFR109.pr : IHHFCODIPPAIAGSYSDTHN - QLLLFYFVGSIEIVTILVLS - GLT - LAILKY - SAGRRNFVSTCGAHTGVSHYGTI : 294

Figure 2
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AOLFR54.pr : FFSFTHRFCHHEVPKVVHIFLANILVMPVPEANPLIYI GARTKEIRSRILKLLHLGKTSI- : 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000
AOLFR57.pr : LFTIRTRP--TTFSE--DKVFAFVYTHIAEMNPILYIIRNTEKNAKRWCCQILLKRNOL-F- : 318
AOLFR58.pr : IFVITRPP--SAFSL--DKMAAFYIILNPLNPLIYIIRNTEKNAKRWCCQILLKRNOL-F- : 326
AOLFR59.pr : IGVSVHVRFGKH--LSPVHIIMADIILPEVPLNPLIYISVTRKQIRGLLHKFVLRFR- : 330
AOLFR60.pr : LFSFTHCFGRN--VPRYTHILANILVMPVPEANPLIYI GARTKEIRSRILKLLHLGKTSI- : 332
AOLFR61.pr : INLAVHREFAGH--VSPILNIVMANVLNPLIYIIRNTEKNAKRWCCQILLKRNOL-F- : 334
AOLFR62.pr : VFSFTHRFCHHEVPKVVHIFLANILVMPVPEANPLIYIIRNTEKNAKRWCCQILLKRNOL-F- : 336
AOLFR63.pr : INLAVHREFARH--VSPILNIVMANVLNPLIYIIRNTEKNAKRWCCQILLKRNOL-F- : 338
AOLFR64.pr : IGVSVHVRFGKH--LSPVHIIMADIILPEVPLNPLIYISVTRKQIRGLLHKFVLRFR- : 340
AOLFR65.pr : LFTIRTRP--TTFSE--DKVFAFVYTHIAEMNPILYIIRNTEKNAKRWCCQILLKRNOL-F- : 342
AOLFR66.pr : FFEFTFHEGHTIPLHIHILMANILVMPVPEANPLIYIIRNTEKNAKRWCCQILLKRNOL-F- : 344
AOLFR67.pr : FFEFTFHEGHTIPLHIHILMANILVMPVPEANPLIYIIRNTEKNAKRWCCQILLKRNOL-F- : 346
AOLFR68.pr : LLEVLTTHVAKKVS PDVPLNPLIYIIRNTEKNAKRWCCQILLKRNOL-F- : 348
AOLFR69.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 350
AOLFR70.pr : LVSIMRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 352
AOLFR71.pr : IFVTKPR--KSYSLGRDQ--WASFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 354
AOLFR72.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 356
AOLFR73.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 358
AOLFR74.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 360
AOLFR75.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 362
AOLFR76.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 364
AOLFR77.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 366
AOLFR78.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 368
AOLFR79.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 370
AOLFR80.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 372
AOLFR81.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 374
AOLFR82.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 376
AOLFR83.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 378
AOLFR84.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 380
AOLFR85.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 382
AOLFR86.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 384
AOLFR87.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 386
AOLFR88.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 388
AOLFR89.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 390
AOLFR90.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 392
AOLFR91.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 394
AOLFR92.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 396
AOLFR93.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 398
AOLFR94.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 400
AOLFR95.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 402
AOLFR96.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 404
AOLFR97.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 406
AOLFR98.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 408
AOLFR99.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 410
AOLFR100.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 412
AOLFR101.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 414
AOLFR102.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 416
AOLFR103.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 418
AOLFR104.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 420
AOLFR105.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 422
AOLFR106.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 424
AOLFR107.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 426
AOLFR108.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 428
AOLFR109.pr : LFMVVRPS--SSYA--SDHDMIVSFTVITPLNPLIYISLRNDVKVAKRRTWNNLCNIFV- : 430

Figure 2
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120 140 160 180 200
 * * * * *
 AOLF110.P : LEIGN-LAFLEASYSFIVAPRMVD-FL-SEK-KVLSYRCITGFLFLHFGGGEGGLVVAERVXINREPHECSTVMPRACVAMLALNMGFVHSHIIQVVLIL : 164
 AOLF111.P : FEFKN-LSEFLDCLISVAPKSIAN-SLIHNNS--ISFLGSGVAFVLLLSASACBCEYVMSFDRYVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 191
 AOLF113.P : LCTTL-SVFFPSWSCGQIQLBLSRCLLIQLLODASFRPTSTPMGACBCEYVMSFDRYVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 189
 AOLF114.P : FEFIS-LSLIDICFTSVAPKWMN-FLSEK-KTISYAGLITOMFLYALGNSDCSLAMAFDRYVACDFEFHVTTHSHHCVCVLVAFSCSPHLSLHLLTLLN : 165
 AOLF115.P : FEFAN-LSLIDACFTSASIPKMLAN-IHTQS-QTISYSGGLAQFLHFMFGDNLCLAMAYDRYVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 181
 AOLF116.P : FEFAN-LSLIDLVFCSTAPKMYD-LF-RKH-KTISFGCGWQEFHIAVGGTEAVLIMAFDRYVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 164
 AOLF117.P : FEFQH-LAFVDCYTSAITPKMQS-FTEEK-NILFLQCGVILVATPATSDCLAMAFDRYVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 212
 AOLF118.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF119.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF120.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF121.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF122.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF123.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF124.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF125.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF126.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF127.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF128.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF129.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF130.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF131.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF132.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF133.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF134.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF135.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF136.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF137.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF138.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF139.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF140.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF141.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF142.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF143.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF144.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF145.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF146.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF147.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF148.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF149.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF150.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF151.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF152.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF153.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF154.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF155.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF156.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF157.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF158.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF159.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF160.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF161.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF162.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173
 AOLF163.P : FEFQ-LCMVDMGLANTIIKILAIWF--DAKVESLPEFACIAIHFFVGMESGILCMABERXVAIOHPHEDVIVDRSTQVARTSWLYGGLIAMVHTAGTF : 173

Figure 3
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AOLFR110.P : RPEPCGNQDNFFCDVROVMEKJACDPMFVVVELLMFNVSNGMLTLLCFLGFLASAVAVLCH-URRAASEGKVMKMSGCTT- 320
AOLFR111.P : SEUSCSNMVHQFPCDIPQALASCSNLEIRIALINNAVILDFCCFIVITVYFWSWKKIPFTEGOSKAYSICLP- 266
AOLFR113.P : QPEOYANEIOHIECDPPTLSIACQTSANILADPAINAVILITIFFMISYARIGAVIKIAGSKRKAFFSCAS- 293
AOLFR114.P : RUTECDSNVVHHFLCDLSPVWKSSSIFVNEIVQMEAPVIVTRFLCAFSYIRITVWKIPSTSGRKAFFSCGF- 292
AOLFR115.P : RWAECAQAKPHFYCDPSALRKTACETVTHNELMIMTGLFVLAFLVLLVFSYRHFMAFVIVSGSGRKAFFSCGS- 268
AOLFR116.P : DLFCGNEPDSFFCDLPRFKTACETVTHNELMIMTGLFVLAFLVLLVFSYRHFMAFVIVSGSGRKAFFSCGS- 284
AOLFR117.P : SESECSNSNHFCDVPPHIALSCSNVDINMLLVFVGNLIFTGLVWIFSYIYIMATIKOMESAGRKAFFSCAS- 266
AOLFR118.P : ORDYCSKNEIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 315
AOLFR119.P : QTEPCGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 276
AOLFR120.P : QTEPCGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 276
AOLFR121.P : NPPECCT-VMDHFECDIYVWKISGIDITTEININVGVSVFVFGILAFISYVIVISSTLOIAAEGRKAFFSCAS- 271
AOLFR122.P : QPECRKQVNHFSCEILAMVKAACISGNEFLMVAITLFTMLPLLILVSYLISISSIKHSEGRKAFFSCAS- 266
AOLFR123.P : MPECGNNVDHITCEILAMVKAACISGNEFLMVAITLFTMLPLLILVSYLISISSIKHSEGRKAFFSCAS- 267
AOLFR124.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 299
AOLFR125.P : SNTYGSDEHOFCDVPAKRTCSKEHAIISVVAIGVAFVSCVLTVVSYVYVHFSAVIRISQROSKAFSCV- 264
AOLFR126.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 265
AOLFR127.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 283
AOLFR128.P : HUPCEGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 266
AOLFR129.P : NPPECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 297
AOLFR130.P : ORDYCSKNEIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 276
AOLFR131.P : QPECGPNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 264
AOLFR132.P : QPECGPNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 258
AOLFR133.P : HUPCEGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 272
AOLFR134.P : QHYCGMPCNHYEODISPMNVSEDAQEMVDFFLAMVIAPLCVWASVYALATIRIPSAQGRKAFFSCAS- 282
AOLFR135.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR136.P : KLSQKSHIENHYEODISPMNVSEDAQEMVDFFLAMVIAPLCVWASVYALATIRIPSAQGRKAFFSCAS- 267
AOLFR137.P : QLSQADHIEHYEODISPMNVSEDAQEMVDFFLAMVIAPLCVWASVYALATIRIPSAQGRKAFFSCAS- 265
AOLFR138.P : QHYCGMPCNHYEODISPMNVSEDAQEMVDFFLAMVIAPLCVWASVYALATIRIPSAQGRKAFFSCAS- 253
AOLFR139.P : QHYCGMPCNHYEODISPMNVSEDAQEMVDFFLAMVIAPLCVWASVYALATIRIPSAQGRKAFFSCAS- 269
AOLFR140.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 277
AOLFR141.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 269
AOLFR143.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR144.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 279
AOLFR145.P : APTCGSVVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 269
AOLFR146.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 275
AOLFR147.P : QPECGPNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 265
AOLFR148.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 271
AOLFR149.P : HUPCEGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 266
AOLFR150.P : HUPCEGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 282
AOLFR151.P : HUPCEGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 266
AOLFR152.P : PPECGPNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR153.P : HUPCEGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 266
AOLFR156.P : TPECGPNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR157.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 266
AOLFR158.P : QPECGPNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR159.P : QPECGPNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR160.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR161.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 267
AOLFR162.P : RUTECGNVIEHCLCSNLGVTSLACDRRPNSICQVLAWMLGMDLSLILSYLILYSLIRLNSAEAAKALSCSS- 274
AOLFR163.P : SFNCGNRENIHDDPECDLLPLVETAGGEGKGYKIMVYFLLASNVFIVSCVMIILASVILSVIRISSSSKGYLKAFFSCAS- 265

Figure 3

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340 360 380
* * *
AOLFR110.P : A-----DKVSLFHTVTFEENPMPIYLNQOENKTSKELLSSRHVVQVDFIIRN----- : 316
AOLFR111.P : -----SILDVAVSVFVTPPTENPIIYSLRNKAHKAHMLIKGLTKTK----- : 338
AOLFR113.P : L-----TLDRTLAIVSVTEWNPPIIYSLRNKEIKAKERTIFQKGDKASLAHL----- : 342
AOLFR114.P : V-KDH-----VATIVTVSSMNPPIIYSLRNKDKOCPRKMSKRS----- : 309
AOLFR115.P : -----RAAVLWVLIPTNPPIIYSLNRNDKEALGKPFVSGTKFFL----- : 330
AOLFR116.P : L-----DKFLAIFDAVTEWNPPIIYSLRNKEVMAWRRCSQFVNSKIF----- : 312
AOLFR117.P : QENN-----KVAIFGYTIPENPPIIYSLRNKEVKEALVKICKLKF----- : 357
AOLFR118.P : A--TLIPV--LLNVLHNIIPPSNPVYALQKELRAAFQVLFALTKEIRS----- : 324
AOLFR119.P : TIPPSLHI--IVANLILLPPTNPPIIYSLRNKEVGRKQIRKSVIRFQDGKAG----- : 324
AOLFR120.P : IN-----FNKVSFVSVTPMNPPIIYSLRNKEVKGALGRVFSNFWKQG----- : 317
AOLFR121.P : IE-----KDLVLSVTITITNPPIIYSLRNKEVKGALCRVVGGRNIS----- : 309
AOLFR122.P : LNSDDLDAATKIISMFGVWTPMNPPIIYSLRNKDKKAVKHLNRRRFSK----- : 318
AOLFR123.P : -----NTSDEIIGLSGVSPMNPPIIYSLRNKEVKEAVKVLRLHLHKM----- : 346
AOLFR124.P : FER-----DKVVAALATITPTNPPIIYSLRNKEVQFONREMQAGHRVFAFLKH----- : 307
AOLFR125.P : -----SILDLLSVSVFVAPNPPIIYSLRNKDKIKGALSIVLNVSRSSGVKMD----- : 315
AOLFR126.P : DDQD-----MMESLFTVTVPELNPPIIYSLRNKQIVASFTKMFKSNV----- : 325
AOLFR127.P : DDQD-----MIDSVFYTHIIPNPPIIYSLRNKQVIDFTKWKRVN----- : 314
AOLFR128.P : A-----DKVSLFHTVTFEENPMPIYLNQOENKTSKELLSSOHMFC----- : 308
AOLFR129.P : V-----DKFLAVFTITITNPPIIYSLRNKEVKTSLKWRFAVNSREDT----- : 343
AOLFR130.P : A--TLIPV--LLNVLHNIIPPSNPVYALQKELRAAFQVLFALTKEIRS----- : 324
AOLFR131.P : E-----DKLVAVFTVTVPELNPPIIYSLRNKEVKTIRLMSKKNPGRE----- : 309
AOLFR132.P : A-----DKIVAVFTVTVPELNPPIIYSLRNKEVKNVARRFEGKVI----- : 305
AOLFR133.P : I-----DKWAVFTVTVPELNPPIIYSLRNKEVKNVARRFEGKVI----- : 303
AOLFR134.P : YN-----SNKVSVLATVIVPELNPPIIYSLRNKEVKAALRTIHCRCGPGNGAFSS----- : 325
AOLFR135.P : LERD-----KVAALFTVTVPELNPPIIYSLRNKDKIKGALFRKVLVKG----- : 327
AOLFR136.P : LQOE-----KVSFVFTVTVPELNPPIIYSLRNKDKIKGALFRKVLVKG----- : 308
AOLFR137.P : NDKNI-----IASVITAVTPELNPPIIYSLRNKDKIKGALFRKVLVKG----- : 322
AOLFR138.P : VEG-----KWAVFTVTVPELNPPIIYSLRNKDKIKGALFRKVLVKG----- : 307
AOLFR139.P : V--PLIPV--LLNVLHNIIPPSNPVYALQKELRAAFQVLFALTKEIRS----- : 299
AOLFR140.P : IIPPSCHI--IVANLILLPPTNPPIIYSLRNKDKIKGALFRKVLVKG----- : 321
AOLFR141.P : A-PPVHV--MMSNVVLFVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 329
AOLFR143.P : V-PCYIHV--LMSNVVLFVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 314
AOLFR144.P : A-PPVHV--MMSNVVLFVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 312
AOLFR145.P : A-PPVHV--MMSNVVLFVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 326
AOLFR146.P : A-PPVHV--MMSNVVLFVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 317
AOLFR147.P : VSKTFHI--MFANLHNIIPPSNPVYALQKELRAAFQVLFALTKEIRS----- : 320
AOLFR148.P : IPPCIHI--PLANVCILAPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 318
AOLFR149.P : AV-----DGVVAVFTVTVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 311
AOLFR150.P : L-----CHLHCLPSAEPDLHSEEPGNEVSHKTEKTRAF----- : 308
AOLFR151.P : VEES-----KITAVFTVTVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 315
AOLFR152.P : M-----DTTISINNTVTEWNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 314
AOLFR153.P : VV-----DGVAIEVTVTEWNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 311
AOLFR156.P : P-----VLDTAIATMFTVTFEENPMPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 331
AOLFR157.P : PDO-----DKTSVFGALTEWNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 308
AOLFR158.P : SRGA-----IASVITAVTPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 312
AOLFR159.P : SRITA-----VASVITAVTPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 311
AOLFR160.P : PRKTA-----VASVITAVTPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 345
AOLFR161.P : TVKEK-----ASAVITAVTPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 313
AOLFR162.P : MEQD-----KVSFVFTVTVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 317
AOLFR163.P : FDMD-----KIVSTFTVTVPELNPPIIYSLRNKEVKTIRKSVIRFQDGKAG----- : 305

Figure 3
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	*	20	*	40	*	60	*	80	*	100	
AOLFR165.P	MA									NNTIVTKFILLCLSDHPQMK	25
AOLFR166.P	MEME							VGR		NCTRVKEFIFLCLTQNRVS	24
AOLFR167.P	MS							ITRAW		NSSVTMEFIFLCLTDPETQ	27
AOLFR168.P	ME									KINNVTEFIFWGLSQSPETIE	22
AOLFR169.P										MDNHSSATEFHILCFPGSQGH	23
AOLFR170.P	MSFTSLIPSLCFSLTL	PFLFCYLSLLPFLSAFL	ITRWLLAFLSLFVSVPVSSSVSSSV	LVCLSVSASPVSFCSCWQGP	ILWIMANLSQPSSEV	ILCFSSPGE	Q				108
AOLFR171.P											1
AOLFR172.P										AETQLQNSFTLHPNFEILCFPGILGSAQ	29
AOLFR173.P										IFHPAVFV	26
AOLFR174.P										NSSTFTGFIILCFPCPREGQ	62
AOLFR175.P										M-HFVTEFVLCHFGQREMQ	42
AOLFR176.P										ATHIVTEFIFLCFPGCWKTQ	34
AOLFR177.P										NHSVWSEFVLGLTNSWEIR	24
AOLFR178.P										NHSVWSEFVLGLTNSWEIR	24
AOLFR179.P										NSSSVSATFELCSIPGLERH	29
AOLFR180.P										ASQANHRN-FILCIPGTPDKN	26
AOLFR181.P										LPTQIAPNSSTSMAPTALCMPLGSGAP	32
AOLFR182.P										NSSSVSATFELCSIPGLERH	29
AOLFR183.P										NSEVKLEFILLCIPGLEHAH	53
AOLFR184.P										NSSSVSATFELCSIPGLERH	29
AOLFR185.P										NSSSVSATFELCSIPGLERH	29
AOLFR186.P										NSSSVSATFELCSIPGLERH	29
AOLFR187.P										NSSSVSATFELCSIPGLERH	29
AOLFR188.P										NSSSVSATFELCSIPGLERH	29
AOLFR189.P										NSSSVSATFELCSIPGLERH	29
AOLFR190.P										NSSSVSATFELCSIPGLERH	29
AOLFR191.P										NSSSVSATFELCSIPGLERH	29
AOLFR192.P										NSSSVSATFELCSIPGLERH	29
AOLFR193.P										NSSSVSATFELCSIPGLERH	29
AOLFR194.P										NSSSVSATFELCSIPGLERH	29
AOLFR195.P										NSSSVSATFELCSIPGLERH	29
AOLFR196.P										NSSSVSATFELCSIPGLERH	29
AOLFR197.P										NSSSVSATFELCSIPGLERH	29
AOLFR198.P										NSSSVSATFELCSIPGLERH	29
AOLFR199.P										NSSSVSATFELCSIPGLERH	29
AOLFR200.P										NSSSVSATFELCSIPGLERH	29
AOLFR201.P										NSSSVSATFELCSIPGLERH	29
AOLFR202.P										NSSSVSATFELCSIPGLERH	29
AOLFR203.P										NSSSVSATFELCSIPGLERH	29
AOLFR204.P										NSSSVSATFELCSIPGLERH	29
AOLFR205.P										NSSSVSATFELCSIPGLERH	29
AOLFR206.P										NSSSVSATFELCSIPGLERH	29
AOLFR207.P										NSSSVSATFELCSIPGLERH	29
AOLFR208.P										NSSSVSATFELCSIPGLERH	29
AOLFR209.P										NSSSVSATFELCSIPGLERH	29
AOLFR210.P										NSSSVSATFELCSIPGLERH	29
AOLFR211.P										NSSSVSATFELCSIPGLERH	29
AOLFR212.P										NSSSVSATFELCSIPGLERH	29
AOLFR213.P										NSSSVSATFELCSIPGLERH	29
AOLFR214.P										NSSSVSATFELCSIPGLERH	29
AOLFR215.P										NSSSVSATFELCSIPGLERH	29
AOLFR216.P										NSSSVSATFELCSIPGLERH	29
AOLFR217.P										NSSSVSATFELCSIPGLERH	29

Figure 4

AOLFR165.P	120	140	160	180	200	128
AOLFR166.P	120	140	160	180	200	128
AOLFR167.P	120	140	160	180	200	128
AOLFR168.P	120	140	160	180	200	128
AOLFR169.P	120	140	160	180	200	128
AOLFR170.P	120	140	160	180	200	128
AOLFR171.P	120	140	160	180	200	128
AOLFR172.P	120	140	160	180	200	128
AOLFR173.P	120	140	160	180	200	128
AOLFR175.P	120	140	160	180	200	128
AOLFR176.P	120	140	160	180	200	128
AOLFR177.P	120	140	160	180	200	128
AOLFR178.P	120	140	160	180	200	128
AOLFR179.P	120	140	160	180	200	128
AOLFR180.P	120	140	160	180	200	128
AOLFR181.P	120	140	160	180	200	128
AOLFR182.P	120	140	160	180	200	128
AOLFR183.P	120	140	160	180	200	128
AOLFR184.P	120	140	160	180	200	128
AOLFR185.P	120	140	160	180	200	128
AOLFR186.P	120	140	160	180	200	128
AOLFR187.P	120	140	160	180	200	128
AOLFR188.P	120	140	160	180	200	128
AOLFR189.P	120	140	160	180	200	128
AOLFR190.P	120	140	160	180	200	128
AOLFR191.P	120	140	160	180	200	128
AOLFR192.P	120	140	160	180	200	128
AOLFR193.P	120	140	160	180	200	128
AOLFR194.P	120	140	160	180	200	128
AOLFR195.P	120	140	160	180	200	128
AOLFR196.P	120	140	160	180	200	128
AOLFR197.P	120	140	160	180	200	128
AOLFR198.P	120	140	160	180	200	128
AOLFR199.P	120	140	160	180	200	128
AOLFR200.P	120	140	160	180	200	128
AOLFR201.P	120	140	160	180	200	128
AOLFR202.P	120	140	160	180	200	128
AOLFR203.P	120	140	160	180	200	128
AOLFR204.P	120	140	160	180	200	128
AOLFR205.P	120	140	160	180	200	128
AOLFR206.P	120	140	160	180	200	128
AOLFR207.P	120	140	160	180	200	128
AOLFR208.P	120	140	160	180	200	128
AOLFR209.P	120	140	160	180	200	128
AOLFR210.P	120	140	160	180	200	128
AOLFR211.P	120	140	160	180	200	128
AOLFR212.P	120	140	160	180	200	128
AOLFR213.P	120	140	160	180	200	128
AOLFR214.P	120	140	160	180	200	128
AOLFR215.P	120	140	160	180	200	128
AOLFR216.P	120	140	160	180	200	128
AOLFR217.P	120	140	160	180	200	128

Figure 4

240 260 300 320
AOLFR165.P : NPLKTVHSHITLCLKVVGAVGCGFSSFIETYSV-YOHDFCCGPNMHHFFCOLPPVHASSSTFTSEVTVFIVSVVGVSVLWLSIGYVAAV-VKISSATG : 234
AOLFR166.P : KPLRYATINSRDHCIGITVAAMLCGFHFIIVQISLL-LPFFCGPNVJDTFYCOVHRVKAJHDFIFILELLMISNNGLLTTLWFFLOJVSIVLISPKSQAG--EG : 232
AOLFR167.P : SPLKXPTATWGLCTRMVVGAVGCGFSSLIQASSI-FRLHFCGNVJHHFFCOLPPVHASSSTFTSQVNVFVTVVGGTSFOLJVSIGYVSAV-LKIPSAEG : 236
AOLFR168.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR169.P : NPLRYANINSSITCIVWIVSVWFETLS-EIMPTIVATFOTFRKSNSDHFFYCORGMKLSQNTLLEFFILFLMAVILIGSLIPTIVSYTILST-LKIPSAAG : 229
AOLFR170.P : HPLRYGTLNRSRMCVQAGAAAPFLAM-VPTIVLSRAHDIYCHGDVNHFFCONEPHOLSDSTRLEFFWDFMALTFLVSLFVLSIGYVITV-LRIPSASS : 317
AOLFR171.P : KPLRYNINRNRLCILLVVMICGFHSHWQVFLV-YSLPICGPNIDFSFYCOLPRHRLACNTQELFEMVTNNSGLISVGSFVILVISYHIFLFWKHSSG--G : 232
AOLFR172.P : RPLHYPVATKACVGYAALALAKAVAI-WPPLLVAKFEHQAKTCHTYCHAMVAEIVCTQATNLGLALSIAISGMDILCHTGSYGLIAHAY-LQPTREA : 238
AOLFR173.P : APLRYTTPWVVGRIHALAVITRSFCI-IFPFIPLKRPFGPGLNPHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR175.P : RPLRYPTTMRRLCTNVLVNCVLEFIFNFIPIVNI-SQMSFGSRIIDHFLCOHPAPMTITCKKGPVIELVSVLPLPVFMLFLFVGSMAVIRAY-LRIPSQDA : 235
AOLFR176.P : RPLHPSITWTKFCIILVNCVVGCGFTCYVPVIVLI-SQLPFCGPNIDHLLVCOHPFALJASAPETELCFNEMIFGPFISLGSYTLIRAY-LCIPSAAG : 271
AOLFR177.P : HPLCOPTATWTFRCGKVSFCHIGIYPIPIFYI-SQLPFCGPNIDHFLCOMDPHAKJASAPITECIFYTQSSVLVFTSMYHLSYHILITAV-FQVPSAAG : 243
AOLFR178.P : KPLQTLTMSPRMCMFFLVAAMVTGLHSHVQVLFV-VNLPFCGPNVDSFYCOLPRHAKJADSYRLEFMTVANSFGISLGSFFIILISYVILHKT-LKIPSAAG : 232
AOLFR179.P : KPLRYLTMSPRMCLYFATSSIIGLHSLVQVLFV-VNLPFCGPNIDFSFYCOLPRHRLACNTQELFEMVTNNSGLISVGSFVILVISYHIFLFWKHSSG--G : 232
AOLFR180.P : NPLRYATITDRMVLVTGLVICRPAVF-LPLPVAINTVSFGGHEFHGPHCHPELVKTYTSPKWSISFWGLFLQLYINGTDLVFLFSYVILHKT-LGIVARXK : 262
AOLFR181.P : NPLRYSSITSNRVAKGLILATRSIIL-VIPPLVATNRSYOKNLSHSYCHUDHAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR182.P : HPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR183.P : NPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR184.P : RPLHPSITWTKFCIILVNCVVGCGFTCYVPVIVLI-SQLPFCGPNIDHLLVCOHPFALJASAPETELCFNEMIFGPFISLGSYTLIRAY-LCIPSAAG : 271
AOLFR185.P : RPLHPSITWTKFCIILVNCVVGCGFTCYVPVIVLI-SQLPFCGPNIDHLLVCOHPFALJASAPETELCFNEMIFGPFISLGSYTLIRAY-LCIPSAAG : 271
AOLFR186.P : YPLRTSMGSRCAIATGTMISGSHSAVQILT-PLHPCGPNQIOHFFCOHPHAKJADSYRLEFMTVANSFGISLGSFFIILISYVILHKT-LKIPSAAG : 232
AOLFR187.P : SPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR188.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR189.P : KPLRYPTMSQVCIILVLAHIGSLHSTAQIILA-LRPLFCGPNIDHFLCOHPHAKJADSYRLEFMTVANSFGISLGSFFIILISYVILHKT-LKIPSAAG : 232
AOLFR218.P : RPLRYATNRRRLCILLVVMICGFHSHWQVFLV-VNLPFCGPNVDSFYCOLPRHAKJADSYRLEFMTVANSFGISLGSFFIILISYVILHKT-LKIPSAAG : 232
AOLFR191.P : NPLRYSSITSNRVAKGLILATRSIIL-VIPPLVATNRSYOKNLSHSYCHUDHAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR192.P : KPLRYTTPWVVGRIHALAVITRSFCI-IFPFIPLKRPFGPGLNPHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR193.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR194.P : HPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR195.P : NPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR196.P : NPLRYTTPWVVGRIHALAVITRSFCI-IFPFIPLKRPFGPGLNPHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR197.P : RPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR198.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR199.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR200.P : RPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR201.P : NPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR202.P : NPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR203.P : HPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR204.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR205.P : RPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR206.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR190.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR207.P : YPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR208.P : NPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR209.P : NPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR210.P : SPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR211.P : SPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR212.P : NPLRYVSHITNIVIGRIGLVSLGRVAL-IFPLPFLMRFPYPCSPVSHSHYCHQHWAKJACADSNKNTNVIYGFIACTM-LDLALVLSYVILHKT-LSTIASRAE : 238
AOLFR213.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR214.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR215.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR216.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230
AOLFR217.P : KPLEHMTINREITCNKMLGTWGCFTSHIIQVALV-VOLPFCGPNEDHFFCOHPVHAKJACTETIYGVVVTVANSFGVFIILISYHISVSRKQSA--EG : 230

Figure 4

	340	360	380	400	420	*
AOLFR165.P	: RKAFTSCASHITATLFFVSGGFFWVRPSSSYSLNRD	-----KVSTFPAVIVVWNPPIHYSNKEKNAKAMERDPGISHGGPIFMTLUG				: 324
AOLFR166.P	: RRKALSTCSTSHITVTHRFVPCIVYARPTALPMD	-----KAHSFTVIVSILNPIHLYLNRHHEKSAARRLKRLLVPSDRK				: 311
AOLFR167.P	: RWRKACITCASHIMVTLLEGTALFVLRPSSSYLGRD	-----KVSVFTSLVEMPNLPIHYSNRKBEADAKVLERKRVFS				: 315
AOLFR168.P	: RRKALSTCSTGSHITAVVIFGPGCTFWMRPDTFSED	-----KWAAPYTLIPMLNPIHLYTNRNAEKNRKKLWGRNVFLKAGK				: 311
AOLFR169.P	: RRKAFSTFASHFTCVVIGGSCFTLVKPKQGVG	-----YKIVSLVSVLAFETLNRDKVEALRDMKRCCLLK-D				: 310
AOLFR170.P	: CQKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----VRKVALVTSVTEFLNFIETPCNQIVKTVLQGMORLKLCKAQ				: 399
AOLFR171.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----KLMVTSVTSIILNPIHLYSEKNAKMNLCWCKLSIVRKRVSPTLNIFIPSSKATNRR				: 292
AOLFR172.P	: HAKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----POHVPHILSNILLEPILNPIHLYGATKQDRLETFPRKSP-L				: 320
AOLFR173.P	: HAKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 323
AOLFR174.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 345
AOLFR175.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 330
AOLFR176.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 330
AOLFR177.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 324
AOLFR178.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 291
AOLFR179.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 312
AOLFR180.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 354
AOLFR181.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 312
AOLFR182.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 314
AOLFR183.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 302
AOLFR184.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 323
AOLFR185.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 394
AOLFR186.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 335
AOLFR187.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 311
AOLFR188.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 298
AOLFR189.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 313
AOLFR190.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 311
AOLFR191.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 314
AOLFR192.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 314
AOLFR193.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 314
AOLFR194.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 347
AOLFR195.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 324
AOLFR196.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 347
AOLFR197.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 334
AOLFR198.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 309
AOLFR199.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 308
AOLFR200.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 314
AOLFR201.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 318
AOLFR202.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 318
AOLFR203.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 314
AOLFR204.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 309
AOLFR205.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 307
AOLFR206.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 309
AOLFR207.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 306
AOLFR208.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 320
AOLFR209.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 319
AOLFR210.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 312
AOLFR211.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 310
AOLFR212.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 310
AOLFR213.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 350
AOLFR214.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 323
AOLFR215.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 311
AOLFR216.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 314
AOLFR217.P	: RRKAFSTCSTGSHITVIFGSCSTFIVRPGKAHSVQ	-----AGKOTVITFVSVAPMLNPIHLYGATKQDRLETFPRKSP-L				: 325

Figure 4

Fig. 5

Figure 5 is a schematic diagram of a system for processing data. The diagram shows a flow from input data to a processing unit, which then outputs the results. The processing unit is divided into several sections, each performing a specific function. The flow is indicated by arrows, showing the sequence of operations. The diagram is labeled with various components and their interconnections.

	*	20	*	40	*	60	*	80	*	100	
AOLFR24B.P	:	MPS	---	---	---	---	---	---	---	---	---
AOLFR33B.P	:	DLH	---	---	---	---	---	---	---	---	---
AOLFR130B.	:	ME	---	---	---	---	---	---	---	---	---
AOLFR142B.	:	MAR	---	---	---	---	---	---	---	---	---
AOLFR171C.	:	MAE	---	---	---	---	---	---	---	---	---
AOLFR218.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR219.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR220.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR221.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR222.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR223.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR224.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR225B.	:	M	---	---	---	---	---	---	---	---	---
AOLFR226.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR227.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR228.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR229.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR230.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR231.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR232.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR233.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR234.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR235.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR236.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR237.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR238.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR239.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR240.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR241.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR242.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR243.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR244.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR245.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR246.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR247.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR248.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR249.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR250.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR251.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR252.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR253.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR254.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR255.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR256.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR257.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR259.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR274B.	:	M	---	---	---	---	---	---	---	---	---
AOLFR276B.	:	M	---	---	---	---	---	---	---	---	---
AOLFR311B.	:	M	---	---	---	---	---	---	---	---	---
AOLFR314.P	:	M	---	---	---	---	---	---	---	---	---
AOLFR324B.	:	M	---	---	---	---	---	---	---	---	---

Figure 5
1/5

	120	140	160	180	200	*
AOLFR24B.P	SHQ-PMYFRLAMISIDTSTIPKMLGFWF----	NIQEISFGGCLIQMFFFIHMTGMEITVTVV	DRFVIAICNPLQNTMLTNKT-IST	IASVSVGRNLVL	157	
AOLFR33B.P	SHQ-PMYFRLAMAGTDIGLSTATIPKMLGFWF----	NIGEIAFGACIQMFFFIHMTGMEITVTVV	DRFVIAICNPLQNTMLTNKT-IAL	GIVIVVIRFLV	157	
AOLFR130B.	HEHT-PMYFRLGNALDICTYTNVFOAMHLLS----	EKKIISYGGCVTCLEAFIFVFGSECLTAA	ADRYAICNPLQNTMLTNKT-SWIA	ASACWTGCFLN	155	
AOLFR142B.	SINT-PMYFRLSHAFVDFCVSSVITPKMLGNFLV----	KONVISDACATLGCFLTMTESILASMA	ADRYAICNPLQNTMLTNKT-CIQ	IVAVPYSYSFLM	160	
AOLFR171C.	RHHT-PMYFRLSHAFVDICVSSAITPKMLGNFLV----	ERKTIIPHACATLGCFLTMTITECFASMA	ADRYAICNPLQNTMLTNKT-SRRCQI	IVAVPYIYGFH	155	
AOLFR218.P	HTS-PMYFLANALIDIMXSSITPKMLNDFVV----	ERKTIIPSGGCACTLGFHFVAGSEMFIT	IVADRYAICNPLQNTMLTNKT-CI	IVAVSWYGFH	155	
Aolfr219.P	RHHT-PMYFLANALSFIDVCAVSAFAPKMLADFLV----	ERKTIIPSDACLAQIEFVHLFTGSEMVIT	IVADRYAICNPLQNTMLTNKT-SRRCQV	IVLISWYGFH	179	
Aolfr220.P	ALHT-PLXFLFVSLFLELIXYNTTTPKMLSCLLS----	EOKSISVAGCLLQIMFFHSGITSCVITAA	ADRYAICNPLQNTMLTNKT-EKPCI	IVLISWYGFH	183	
Aolfr221.P	SUHR-PMYFRLGHLSLELIXYNTTTPKMLAAFLT----	ODGRVSVGCVTCLEAFIALACTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr222.P	HUHT-PMYFLFSEIFSECTCVTLGIPRMLSSLAG----	GDQALSVGCAQIMFFHSGITSCVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr223.P	ADHA-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr224.P	RHHT-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR225B.	HEHT-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr226.P	RHHT-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr227.P	RLHS-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr228.P	HUHT-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr229.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr230.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr231.P	LHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr232.P	HUHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr233.P	SHHS-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr234.P	SLHM-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr235.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr236.P	HUHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr237.P	HUHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr238.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr239.P	CHSS-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR240.P	ALHS-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr241.P	SLHT-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr242.P	SLHH-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr243.P	ALHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr244.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr245.P	THLS-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr246.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
Aolfr247.P	HUHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR248.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR249.P	RIOT-PMYFRLSHLSLIDICTSTVTPKMLNLNG----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR250.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR251.P	KHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR252.P	SLHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	
AOLFR253.P	RHHT-PMYFLAHTSFADTICFASVTPKMLANLLA----	HDRTISLAGCVTLGIFALGTECVITAA	ADRYAICNPLQNTMLTNKT-PSLSIA	IVLISWYGFH	155	

Figure 5/5

AOLFR276B. : VFPLPFLKRLPFCCKASVLAHSYCLHADIRLPWGDTTINSMTGLFIVISAFGVDSILILLSVYVILHLSVLAHASGRERLRTLNQVSHIYAVILHFPVPMVSVSV : 264
 AOLFR311B. : ALIHMTLAFRCFCGSEINHEFCIDIPPLILSRSDTQVNELVFTVFGFIELSTISGFEISYCYVILHLSVL--BHSAEGRFKALSHCTSHISAWALFOGTLLEWFER : 261
 AOLFR314. P : SSILTSLTFTLPYCGPNEWDHEDODIPALPLACADTSLAORVSTNVGLISVCFLLILSYRTIISL--LSRTTGRRRRFRSTCSAHLIAALCALCAFGPIITVYIQ : 261
 AOLFR324B. : VIVPLVLLLRPFCHRIIPHTYCHMGMLARLACASIKVINMIFGL-GSISLLLDVLLITLSHRIHIAVAF--PSPWEARLALNTCSHIGVILAFSTPAFSEFT : 262
 AOLFR328. P : LDALINVLILANMVCFCEAKIIHHYSVEMPSLPLSCSDISRSLSVLLCSTLLHGLGNELVFLSVTRIISTIL--SISSTSGRKSATSCSARETAVTLYYSGSLLRH : 259

	340	*	360	*	380	*	
AOLFR24B. P	HRFGONIPHYIHILLANI	VWVP	PAENPVYGVRTKQREQ	VKIFVQKE	----		312
AOLFR33B. P	HRFGHNIPIHYIHILLANI	VWVP	PAENPVYGVRTKQREQ	VKIFVQKE	----		312
AOLFR130B.	PISYSLEK--	DRILSVLSV	PAENPVYGVRTKQREQ	VKIFVQKE	----		327
AOLFR142B.	PSSHALDT--	DKMASVFTV	PAENPVYGVRTKQREQ	VKIFVQKE	----		317
AOLFR171C.	PKSNHSLDT--	DKMASVFTV	PAENPVYGVRTKQREQ	VKIFVQKE	----		314
AOLFR218. P	PFD--	SFSL--	DKVSVFTHV	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	324
AOLFR219. P	PFS--	SYSV--	DKVAVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	313
AOLFR220. P	FSATYSVFW--	DTAIAVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		348
AOLFR221. P	PRAMYTFNH--	NKIISVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		343
AOLFR222. P	PKASYSLER--	DOLIAMV	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	317
AOLFR223. P	ATSRREAEW--	GRVATV	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	313
AOLFR224. P	SIHNSERE--	GKEVALF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	316
AOLFR225B.	PSAKEGGAP--	NKGIADV	LSV	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	311
AOLFR226. P	PKLASAFDT--	NKIISVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		309
AOLFR227. P	PSPHLLPEI--	NKIISVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		327
AOLFR228. P	PPSNTNDK--	NIASVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		322
AOLFR229. P	PHSVHTPEQ--	DKAVSAF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	322
AOLFR230. P	PHSVHTPEK--	DKVSAF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	338
AOLFR231. P	PFS--	RYSV--	DKILSVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	324
AOLFR232. P	PSVHTPEK--	DMVSVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		304
AOLFR233. P	PSVHTPEK--	DMVSVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		348
AOLFR234. P	PPAIPAATQ--	DLILSGF	YSIM	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	315
AOLFR235. P	PAKNSKODQ--	GKFISLF	SLAV	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	312
AOLFR236. P	PRS--	SEAG--	AGAPAVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	352
AOLFR237. P	PFT--	ALPT--	DTAISVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	314
AOLFR238. P	PQNHSLDT--	DKMASVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		315
AOLFR239. P	PFS--	RFSV--	DKILSVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	310
AOLFR240. P	PQAGSSVTI--	DRVLSLF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	313
AOLFR241. P	PTANYVSNK--	DRIVTV	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	335
AOLFR242. P	HRTGRNI	PHFI	HILLANF	VWVP	PAENPVYGVRTKQREQ	VKIFVQKE	308
AOLFR243. P	PKNTYTSSQ--	DTILSVS	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	313
AOLFR244. P	PHSYHKAQ--	DKVLSVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		369
AOLFR245. P	PFS--	SLAS--	NKTLAVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	312
AOLFR246. P	PTVSSSIDK--	DVIVALT	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	313
AOLFR247. P	PNSTHFFDT--	DKMASVFTI	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK		307
AOLFR248. P	PAKSTSHQ--	GKFIALF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	340
AOLFR249. P	POSNNQEN--	MKVASIF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	338
AOLFR250. P	PSIASSEK--	DIAAAMV	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	311
AOLFR251. P	PKSRHPEQ--	QKVLSTF	YSLE	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	309
AOLFR252. P	PSYQHTPEK--	DMMSFFY	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	312
AOLFR253. P	RSYHTAEQ--	DMVSAF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	331
AOLFR254. P	POSFHTPEQ--	DKVSAF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	316
AOLFR255. P	PHSYHTPEQ--	DKAVSAF	TVT	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	317
AOLFR256. P	PKSRHPEQ--	QKVLSTF	YSLE	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	311
AOLFR257. P	PKSSHSQER--	RKILSLF	YSLE	PLNPIYTLRNK	KEA	ARKVTKVYLCEEK	310

Figure 5
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AOLFR259.P : PDNSORQKQ--QKILTLFYSLFNFNPLNPLIYSLRNAQVKGATYRALQKKRTM----- : 310
AOLFR274B. : ESSSYNPKQ--DRFISLVVTIGTPLNPLNPLIALRNSEMKGAVGRVLTNRCLSQNS----- : 305
AOLFR276B. : HRFGRHAP--YVHKFMSLCTSNALFNTLEHOD----- : 295
AOLFR311B. : ESSSYSLDQ--DKMTSLFTTIVVPMNPLNPLIYSLRNKDMKEALKKILKKNKILF----- : 310
AOLFR314.P : ETPNPMIGT---VVQILANNVGPMLNPLIYTLRNKENKTALKTILHRTCHVPES----- : 312
AOLFR324B. : HCFGHDIPQYIHIFLANILVVVPPPLNPNVIYGVRTKHIRETVLRIFFFKTDH----- : 313
AOLFR328.P : LMPNSGSPIEL---IFSVOYTVVTPMLNSLIYSLKNKEVKVALKRRTLEKYLYQYTR----- : 312

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Figure 5
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